

ANNUAL REPORT

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HEALTH OF THE WEST KESTEEVEN RURAL DISTRICT

by the

MEDICAL OFFICER OF HEALTH

C. W. SHEARER, M.B., Ch.B., D.P.H.

To which is Appended the Report of the

CHIEF PUBLIC HEALTH INSPECTOR

J. DEAN, F.F.S.(Eng.), Cert. R.S.I.

1957

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MEM

1915

WEST KESTEVEN RURAL DISTRICT COUNCIL.

(Reconstituted under the Parts of Kesteven (Alteration of Districts and Parishes) Order 1930.)

List of Parishes

Allington
Ancaster
Barkston
Barrowby
Belton and Manthorpe
Bitchfield and Bassingthorpe
Boothby Pagnell
Braceby and Sapperton
Burton Coggles
Carlton Scroop
Caythorpe
Claypole
Colsterworth
Denton
Easton
Fenton
Foston
Fulbeck
Great Gonerby
Great Ponton
Gunby and Stainby
Harlaxton
Heydour
Honington
Hougham
Hough-on-the-Hill
Ingoldsby
Lenton, Keisby and Osgodby
Little Ponton and Stroxton
Londonthorpe and Harrowby Without
Long Bennington
Marston
Normanton
North Witham
Old Somerby
Pickworth
Ropsley and Humby
Sedgebrook
Skillington
South Witham
Stoke Rochford
Stubton
Syston
Welby
Westborough and Dry Doddington
Woolsthorpe
Wyville-cum-Hungerton

WEST KESTEVEN RURAL DISTRICT COUNCIL.

Public Health and Waterworks Committee 1957

CHAIRMAN

Councillor Major H. R. E. E. WELBY, C.M.G., J.P.

VICE-CHAIRMAN

Councillor J. F. DODDS

MEMBERS

Alderman F. J. JENKINSON, C.B.E., J.P., (Ex-officio)

Alderman J. W. MILNER, J.P., (Ex-officio)

Councillor T. W. ALLEN

Councillor Sir H. J. F. S. CHOLMELEY, Bt., D.S.O., D.L., J.P.

Councillor S. CLARKE

Councillor G. F. CLEAVER

Councillor J. A. DALE

Councillor Major D. E. DIXON

Councillor F. JENKINSON

Councillor H. MARTIN

Councillor W/Cdr. A. E. F. McCREARY

Councillor R. L. NEWTON

Councillor Mrs. F. H. NORMAN

Councillor J. W. OXBY

Councillor H. PARKER

Councillor G. C. PORTER

Councillor W. S. E. PURCHASE

Councillor Mrs. F. H. RANSOME

Councillor A. V. SHEARDOWN

Councillor B. SHIPMAN

Councillor J. STEWART

Councillor H. WILSON

Councillor Lt. Col. L. WOOD, C.B.E., M.C.

Councillor W. H. WRIGHT

WEST KESTEVEN RURAL DISTRICT COUNCIL.

Housing and Town and Country Planning Committee 1957.

CHAIRMAN

Councillor W/Cdr. A. E. F. McCREARY

VICE-CHAIRMAN

Councillor Lt. Col. L. WOOD, O.B.E., M.C.,

MEMBERS

Alderman F. J. JENKINSON, O.B.E., J.P. (Ex-officio)

Alderman J. W. MILNER, J.P.

Councillor H. BROWNLOW

Councillor D. BURTT

Councillor R. S. CLARK

Councillor S. CLARKE

Councillor J. A. DALE

Councillor Mrs. W. H. D. ELNOR

Councillor G. HIGGINS

Councillor Mrs. C. L. JACQUES

Councillor F. JENKINSON

Councillor Sir D. LeMARCHANT

Councillor R. MERRICK

Councillor Mrs. F. H. NORMAN

Councillor J. W. OXBY

Councillor R. H. PACEY

Councillor G. C. PORTER

Councillor W. S. E. PURCHASE

Councillor Mrs. F. M. RANSOME

Councillor J. C. RICKETT

Councillor A. W. ROBINSON

Councillor J. STEWART

Councillor H. D. STONE

Councillor C. H. WHATTON

H E A L T H D E P A R T M E N T

Staff

Medical Officer of Health

C. W. SHEARER, M.B., Ch.B., D.P.H.

Chief Public Health Inspector

J. DEAN, F.F.S.(Eng.), Cert.R.San.I.

Public Health Inspectors

M. F. JOHNSON, M.P.H.I., C.R.San.I.

J. LUCAS, M.P.H.I., C.R.San.I.

Technical Assistant

N. F. HEADLAND

Clerks

J. R. CLARKE

J. I. GORDON

MRS. H. HOUSLEY

MISS M. E. ELDRED (to April, 1957)

MISS G. PATTISON (from May, 1957)

Public Health Department,
Council Offices,
Sandon Close,
Grantham.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present the Annual Report on the Health Statistics and Sanitary Conditions of the West Kesteven Rural District for the year 1957. . .

The number of Infant Deaths (3) was the lowest on record. There is no room for complacency, however, as there was a large rise in the number of Stillbirths. It is, nevertheless, satisfactory that there were no infant deaths due to infection.

The table of deaths shows little change as compared with last year. There was again, unfortunately, a death from Tuberculosis.

Two cases of Poliomyelitis were notified, both paralytic, but neither fatal. This was a small number in view of the prevalence of the disease throughout the country.

One fatal case of Acute Encephalitis occurred in a child of five. This took place during the epidemic of 'Asian' Influenza in the Autumn and was thought to be probably due to the influenza virus.

Accidents - at home, at work, and on the roads - were responsible for seven deaths. Most if not all of these deaths are preventable and should be prevented. . .

Progress in housing and sewage works was slowed down during the year owing to the rise in interest rates. The emphasis in the field of housing is now on clearance of unfit houses and provision for elderly people. . .

Some progress was also made in extending main water supplies.

In conclusion, I wish to thank all members of the Council, and in particular the Health Committee, Mr. Morgan, Mr. Dean, and all his staff for their unfailing courtesy and help throughout the year.

I am, Sir, Ladies and Gentlemen,

Your obedient servant,

C. W. SHEARER

Medical Officer of Health.

STATISTICAL SUMMARY 1957.

Population (Estimated for the year)	18,230
Area	122,406 acres
Rateable Value	£148,980
Estimated Product of a Penny Rate	£585

	Males	Females	Totals
LIVE BIRTHS	164	160	324
STILL BIRTHS	2	7	9
BIRTH RATE (Crude Birth Rate)	17.7 per 1000 population		
(Corrected for age and sex)	17.5 per 1000 population		
(Average, England and Wales)	16.1 per 1000 population		
INFANT DEATHS (Under 1 year)	2	1	3
(Legitimate)	2	1	3
(Illegitimate)	-	-	-
INFANTILE DEATH RATE	9.5 per 1000 live births		
Average for England and Wales	23.0 per 1000 live births		
DEATH RATE (Crude Death Rate)	10.7 per 1000 population		
(Corrected for age and sex)	11.5 per 1000 population		
Average for England and Wales	11.5 per 1000 population		
TOTAL DEATHS AT ALL AGES	112	83	195

CAUSES OF DEATH

1. Tuberculosis, respiratory	1	-	1
2. Tuberculosis, other	-	-	-
3. Syphilitic disease	-	-	-
4. Diphtheria	-	-	-
5. Whooping Cough	-	-	-
6. Meningo-coccal infections	-	-	-
7. Acute Poliomyelitis	-	-	-
8. Measles	-	-	-
9. Other infective and parasitic diseases	-	1	1
10. Malignant neoplasm, stomach	2	1	3
11. Malignant neoplasm, lung, bronchus ..	5	-	5
12. Malignant neoplasm, breast	-	4	4
13. Malignant neoplasm, uterus	-	2	2
14. Other Malignant and Lymphatic neoplasms	8	9	17
15. Leukaemia, aleukaemia	2	-	2
16. Diabetes	-	1	1
17. Vascular lesions of nervous system ..	13	14	27
18. Coronary disease, angina	16	9	25
19. Hypertension with Heart disease	-	1	1
20. Other Heart disease	27	17	44
21. Other circulatory disease	9	3	12
22. Influenza	2	1	3
23. Pneumonia	4	5	9
24. Bronchitis	5	3	8
25. Other disease of Respiratory system	1	-	1
26. Ulcer of stomach and duodenum	3	-	3
27. Gastritis, enteritis and diarrhoea ..	-	1	1
28. Nephritis and nephrosis	1	-	1
29. Hyperplasia of prostate	1	-	1
30. Pregnancy, childbirth, abortion	-	-	-
31. Congenital malformations	1	-	1
32. Other defined and ill-defined diseases	5	10	15
33. Motor vehicle accidents	2	1	3
34. All other accidents	4	-	4
35. Suicide	-	-	-
36. Homicide and operations of war	-	-	-
	112	83	195

NOTIFICATIONS OF INFECTIOUS DISEASES DURING 1957

Age Period	Scarlet Fever		Whooping Cough		Measles		Pneumonia		Poliomyelitis		Acute Encephalitis	
	M	F	M	F	M	F	M	F	M	F	M	F
under 1 yr	-	-	2	1	2	2	-	-	-	-	-	-
1 - 2 yrs	1	-	1	7	24	18	-	-	-	-	-	-
3 - 4 yrs	-	1	5	5	32	12	-	-	-	-	-	-
5 - 9 yrs	-	2	9	7	73	61	-	-	-	2	-	1
10 - 14 yrs	-	-	2	2	6	7	-	-	-	-	-	-
15 - 24 yrs	-	-	-	-	1	-	2	-	-	-	-	-
25 and over	-	-	-	-	-	-	1	2	-	-	-	-
Age unknown	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL	1	3	20	23	138	100	3	2	-	2	-	1

TUBERCULOSIS - NEW CASES AND DEATHS IN 1957

Age Period	NEW CASES				DEATHS			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M	F	M	F	M	F	M	F
under 1 yr	1	-	-	-	-	-	-	-
1 - 5 yrs	-	-	-	-	-	-	-	-
6 - 10 yrs	-	-	-	-	-	-	-	-
11 - 15 yrs	-	1	-	-	-	-	-	-
16 - 20 yrs	1	1	-	-	-	-	-	-
21 - 25 yrs	1	-	-	-	-	-	-	-
26 - 35 yrs	-	2	-	-	1	-	-	-
36 - 45 yrs	-	-	-	-	-	-	-	-
46 - 55 yrs	-	-	-	-	-	-	-	-
56 - 65 yrs	-	1	-	-	-	-	-	-
65 upwards	-	-	-	-	-	-	-	-
TOTAL	3	5	-	-	1	-	-	-

INFANT DEATHS FROM STATED CAUSES

CAUSE OF DEATH	Under 1 Day	1-7 Days	1-4 Weeks	Total Under 4 Wks	1-3 Months	3-12 Months	Total Under 1 Yr.
Premature Birth	1	-	-	1	-	-	1
Malformation	-	1	-	1	-	-	1
Birth Injuries	-	1	-	1	-	-	1
Pneumonia & Bronchitis	-	-	-	-	-	-	-
Enteritis & Diarrhoea	-	-	-	-	-	-	-
Other Causes	-	-	-	-	-	-	-
TOTAL	1	2	-	3	-	-	3

ANNUAL REPORT OF THE CHIEF PUBLIC HEALTH OFFICER FOR 1957.

Public Health Department,
Council Offices,
Sandon Close,
GRANTHAM.

To the Chairman and Members of the
West Kesteven Rural District Council.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Report for the year ended 31st December, 1957 and to record the progress that has been made during that period in improving the living conditions of the people residing in the area.

Without the full support of my staff from junior to senior, from labourer to foreman and the co-operation of the Clerk of the Council, the Accountant and the friendly help and support of every member of the Council, the numerous duties which my department is expected to carry out without question, without delay and without a murmur of complaint, would become an impossible burden. It has sometimes been said by the uninitiated that the staff of the department could be reduced but I feel sure that even a careless perusal of this report will indicate the volume of work which quietly proceeds throughout the year in the interests of the public at large.

The Reports provide a record which is often referred to by other authorities in search of information and, even though they may seem superfluous at times, I can assure you that they have valuable use in dealing with future problems which might arise. Some of the duties of the Public Health Inspector have not been reported upon as fully as might be desired but the Report has been confined to the major problems confronting the Council at the present time. For instance, more information might have been given in connection with Moveable Dwellings, Food Hygiene, Factories, Petroleum Storage and Housing Management to name but a few. I am pleased to say that Pet Shops, Canal Boats and the Rag Flock Act do not concern us at the present time and the Clean Air Act does not produce any immediate problem.

I am, Sir, Ladies and Gentlemen,

Your obedient Servant

J. DEAN

Chief Public Health Inspector and Surveyor.

H O U S I N G 1 9 5 6.

1. DWELLINGHOUSES INSPECTED

(a)	Inspections for Housing Defects	231
(b)	Dwellinghouses found Unfit	92
(c)	Dwellinghouses found not fit in all respects	165
(d)	Re-Inspections and visits to work in progress	199
(e)	Re Overcrowding	16
(f)	New Buildings (Supervision under Building Byelaws)	228
(g)	Re Council House Repairs	407
(h)	Housing Sites, Surveys, Inspections of work in progress	385
(i)	Temporary Housing	5
		<u>1728</u>

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES

(a)	Number of defective dwellinghouses rendered fit in consequence of informal action by the local authority	92
(b)	Informal Notices served	5

3. ACTION UNDER STATUTORY POWERS DURING THE YEAR

(A) Proceedings under Sections 9, 10 & 16, Housing Act 1936

(a)	Number of dwellinghouses in respect of which notices were served requiring repairs	Nil
(b)	Number of dwellinghouses which were rendered fit after service of formal notices	Nil
(c)	By owners	Nil
(d)	By Local Authority in default of owners	Nil

(B) Proceedings under the Public Health Act

(a)	Number of dwellinghouses in respect of which notices were served requiring defects to be remedied after service of formal notice	Nil
(b)	Number of dwellinghouses in which defects were remedied after service of formal notices	Nil
(c)	By Local Authority in default of owners	Nil
(d)	By owners	Nil

(C) Proceedings under Sections 11 & 13, Housing Act 1936

(a)	Number of dwellinghouses in respect of which Demolition Orders were made	78
(b)	Number of dwellinghouses demolished in pursuance of Demolition Orders	10

(D) Proceedings under Section 12, Housing Act 1936

(a)	Number of separate tenements or underground rooms, in respect of which Closing Orders were made	4
(b)	Number of separate tenements or underground rooms, in respect of which Closing Orders were determined, the tenement or room having been rendered fit.	Nil

SUMMARY OF OTHER INSPECTIONS 1956

Factories (a) with Mechanical Power	...	...	...	...	...	...	...	...	-
(b) without Mechanical Power	...	...	...	...	...	...	...	...	-
Slaughter-houses	...	...	...	...	...	...	...	...	635
Food Preparing Premises (a) Fried Fish Shops	...	...	...	...	...	...	...	...	-
(b) Ice Cream Premises	...	...	...	...	...	...	...	...	-
(c) Other Premises	...	...	...	...	...	...	...	...	37
Cowsheds and Dairies	...	...	...	...	...	...	...	...	-
Milk Samples for Analysis	...	...	...	...	...	...	...	...	11
Stables and Piggeries	...	...	...	...	...	...	...	...	2
Petroleum Stores	...	...	...	...	...	...	...	...	14
Water Supply	...	...	...	...	...	...	...	...	110
Water Samples for Analysis	...	...	...	...	...	...	...	...	631
Sewer Dykes and Sewage Disposal Works	...	...	...	...	...	...	...	...	207
Infectious Disease Inquiries and Disinfections	...	...	...	...	...	...	...	...	6
Verminous Premises and Disinfestations	...	...	...	...	...	...	...	...	8
Drainage (a) Colour Tested	...	...	...	...	...	...	...	...	-
(b) Water Tested	...	...	...	...	...	...	...	...	69
(c) Smoke Tested	...	...	...	...	...	...	...	...	-
(d) Inspected	...	...	...	...	...	...	...	...	207
Scavenging Work	...	...	...	...	...	...	...	...	45
Tents, Vans and Sheds	...	...	...	...	...	...	...	...	4
Camping Sites	...	...	...	...	...	...	...	...	-
Special Surveys (a) Water Supply	...	...	...	...	...	...	...	...	-
(b) Scavenging	...	...	...	...	...	...	...	...	-
(c) Sewage Disposal	...	...	...	...	...	...	...	...	5
(d) Rural Housing Survey	...	...	...	...	...	...	...	...	2
Town and Country Planning Inspections	...	...	...	...	...	...	...	...	8
Miscellaneous	...	...	...	...	...	...	...	...	-
Housing Applicants	...	...	...	...	...	...	...	...	277

W A T E R S U P P L Y.

During the year the Long Bennington borehole into the Bunter Sandstone was brought into operation. It was then thought that, after delays of over two years, an adequate supply of water would be made available to the whole of the northern part of the rural area. Unfortunately "teething" troubles arose in very quick time and have only recently been overcome. But for the fact that our neighbours, Newark Borough Council, North Kesteven Rural District Council, East Kesteven Rural District Council and last but by no means least, the Grantham Water Company, were able to offer assistance, for quite a time all those consumers, who had praised the appearance for the first time of an ample and pure supply of water, would have had to fall back on the old back yard well - providing someone hadn't stolen the lead pump. Thanks are due to the neighbouring authorities and the Grantham Water Company for helping the Council over a difficult period.

One lesson was learned from this experience and that was that more closer liaison was necessary between water authorities with a view to mutual aid. It must be said here that co-operation between the Engineers and Surveyors of the Authorities has always been on the friendliest basis. It is hoped that the formation of a Water Board will further the good work which has already been done and mould a more efficient, if necessary, and more economic, if possible, water service to the public.

With the extension of mains from Bitchfield via Boothby Pagnell to Old Somerby, the rural district will then be completely served with water supplies. The temporary source at Old Somerby will become redundant and the privately-owned bore at Boothby Pagnell will be dis-used. These two minor sources of supply have served a useful purpose but are uneconomic and could not provide for future development. Private Estate supplies are still in existence to Easton and Stoke Rochford. These sources are not bacteriologically satisfactory and have no sterilization equipment. It is recommended that these villages should be supplied from the Council's sources and the minor source owned by the Council at Skillington replaced at the same time.

The only remaining problem is the linking up of sources throughout the area from east to west and north to south. This has not yet been considered in detail as it means unproductive capital expenditure on mains and reservoirs but it should not be overlooked as the distribution of water is unbalanced. It will be readily seen that whereas the Long Bennington borehole and the Motherford spring are both fully taxed, the Lenton bore has a large surplus, the Laughton Lodge bore and the Foxhole spring are unused.

Care in sterilization of unsatisfactory raw water cannot be overemphasized and it will be noted, from the tabulated results of water samples submitted for bacteriological examination, that extreme care has been exercised. Routine sampling is carried out weekly of raw waters at source and treated waters in distribution. The samples in distribution are taken from consumers taps at "dead ends" of mains where deterioration is likely to occur from stagnation and consequently occasional samples are likely to fall into categories 3 or 4 but these results are rare as will be seen. Where unsatisfactory results are obtained, the mains are immediately flushed out and a complete check taken.

BACTERIOLOGICAL EXAMIN

1957 Week Ended.	LENTON Borehole		MOTHERFORD Spring		FOXHOLE Spring		OLD Bo
	Coli-aergns count p 100 mls at 37°C	Faecal coli count p 100 mls at 44°C	Coli-aergns count p 100 mls at 37°C	Faecal coli count p 100 mls at 44°C	Coli-aergns count p 100 mls at 37°C	Faecal Coli count p 100 mls at 44°C	Coli-aerg count p 1 mls at 37
5 Jan	180+	180+	3	3			Nil
12 Jan	90	50	50	50			Nil
19 Jan	50	50	Nil	Nil	Nil	Nil	Nil
26 Jan	11	5	180+	180+	160	160	Nil
2 Feb	35	11	1	1	3	3	Nil
9 Feb	90	90	11	3			Nil
16 Feb	90	50	3	3	5	5	Nil
23 Feb	50	50	3	3	Nil	Nil	Nil
2 Mar	50	50	1	1	Nil	Nil	Nil
9 Mar	50	50	Nil	Nil	Nil	Nil	Nil
16 Mar	180+	180+	Nil	Nil	Nil	Nil	Nil
23 Mar	180+	90	Nil	Nil	Nil	Nil	Nil
30 Mar	90	35	Nil	Nil	Nil	Nil	Nil
6 Apl	160	35	5	Nil	8	Nil	Nil
13 Apl	11	3	3	Nil	1	Nil	Nil
20 Apl	50	11	Nil	Nil	Nil	Nil	Nil
27 Apl	8	8	5	Nil			Nil
4 May	17	11	Nil	Nil			
11 May	8	8	14	11	25	5	Nil
18 May	160	35	5	5	1	1	Nil
25 May	35	17	Nil	Nil	Nil	Nil	Nil
1 Jun	35	7	Nil	Nil	1	Nil	Nil
8 Jun	11	Nil	Nil	Nil			
15 Jun	Nil	Nil	Nil	Nil			8
22 Jun	25+	25+	3	3			Nil
29 Jun	50	8	5	1			Nil
6 Jly			1	1	Nil	Nil	Nil
13 Jly	25	13	1	1	1	Nil	Nil
20 Jly	25	25	Nil	Nil			Nil
27 Jly	25+	25+	Nil	Nil	Nil	Nil	Nil
3 Aug	180+	180+	1	Nil			Nil
10 Aug	9	6	Nil	Nil			6
17 Aug	25+	25+	90	90	50	35	Nil
24 Aug	25+	25+	3	Nil	35	Nil	1
31 Aug	25+	25+	3	2			Nil
7 Sep	25+	8	3	Nil	13	Nil	Nil
14 Sep	25	13	3	3	1	Nil	Nil
21 Sep	25+	25+	1	1	3	Nil	Nil
28 Sep	25	25	13	1	13	Nil	Nil
5 Oct	25	25	35	8			8
12 Oct	25	25	Nil	Nil	Nil	Nil	1
19 Oct	25	13	Nil	Nil			Nil
26 Oct	25+	25+	3	Nil			Nil
2 Nov	25+	25+	5	Nil	3	Nil	Nil
9 Nov	25+	25+	8	3			25+
16 Nov	25+	25+	1	Nil			Nil
23 Nov	25+	Nil	1	Nil			Nil
30 Nov	25+	13	17	Nil			Nil
7 Dec	25+	8	Nil	Nil			Nil
14 Dec	25+	25+	Nil	Nil			Nil
21 Dec	25+	25+	Nil	Nil			Nil
28 Dec							

ON - (i) RAW WATERS

BY	SKILLINGTON Spring		BELTON Spring		LONG BENNINGTON Borehole		1957 Week Ended.
Cal coli count p 100 at 44°C	Coli-aergns count p 100 mls at 37°C	Faecal coli count p 100 mls at 44°C	Coli-aergns count p 100 mls at 37°C	Faecal coli count p 100 mls at 44°C	Coli-aergns count p 100 mls at 37°C	Faecal coli count p 100 mls at 44°C	
Nil	180+	90	1	1			5 Jan
Nil			3	Nil			12 Jan
Nil	Nil	Nil	Nil	Nil			19 Jan
Nil	1	1	Nil	Nil			26 Jan
Nil			Nil	Nil			2 Feb
Nil	Nil	Nil	Nil	Nil			9 Feb
Nil			Nil	Nil			16 Feb
Nil	Nil	Nil	Nil	Nil			23 Feb
Nil			Nil	Nil			2 Mar
Nil	Nil	Nil	Nil	Nil			9 Mar
Nil			Nil	Nil			16 Mar
Nil	Nil	Nil	35	8			23 Mar
Nil	Nil	Nil	Nil	Nil			30 Mar
Nil	25	Nil	5	Nil			6 Apr
Nil			3	Nil	Nil	Nil	13 Apr
Nil	3	3	Nil	Nil	Nil	Nil	20 Apr
Nil	Nil	Nil	Nil	Nil			27 Apr
Nil			1	1	Nil	Nil	4 May
Nil	Nil	Nil	35	Nil	Nil	Nil	11 May
Nil			13	Nil	Nil	Nil	18 May
Nil	Nil	Nil	35	3	Nil	Nil	25 May
Nil	Nil	Nil	3	Nil	Nil	Nil	1 Jun
			Nil	Nil	Nil	Nil	8 Jun
Nil	Nil	Nil	Nil	Nil			15 Jun
Nil	Nil	Nil	Nil	Nil			22 Jun
Nil			1	Nil	Nil	Nil	29 Jun
Nil	Nil	Nil	25+	25+	Nil	Nil	6 Jly
Nil			13	13	Nil	Nil	13 Jly
Nil	25	25	25	25	Nil	Nil	20 Jly
Nil	3	Nil			Nil	Nil	27 Jly
Nil	Nil	Nil					3 Aug
Nil			1	Nil	Nil	Nil	10 Aug
Nil			6	6			17 Aug
Nil			3	Nil	3	1	24 Aug
Nil	3	3	25+	3	1	Nil	31 Aug
Nil	Nil	Nil	25+	Nil	5	Nil	7 Sep
Nil	1	1	25	3	Nil	Nil	14 Sep
Nil			25+	Nil	Nil	Nil	21 Sep
Nil	1	1	13	Nil	Nil	Nil	28 Sep
1	35	5	25+	Nil			5 Oct
Nil	1	Nil	2	Nil			12 Oct
Nil	1	1	13	1	1	Nil	19 Oct
Nil	Nil	Nil	25+	5	Nil	Nil	26 Oct
Nil	1	1	25	1			2 Nov
25+	1	1	25+	25+	Nil	Nil	9 Nov
Nil	8	3	25	8	Nil	Nil	16 Nov
Nil	8	1	5	Nil	Nil	Nil	23 Nov
Nil	5	1	25	Nil	Nil	Nil	30 Nov
Nil	1	Nil	13	Nil	Nil	Nil	7 Dec
Nil	3	3	25+	13	Nil	Nil	14 Dec
Nil	1	Nil	Nil	Nil	Nil	Nil	21 Dec
							28 Dec

BACTERIOLOGICAL EXAMINATIONS (ii) TREATED WATERS.

Source of Supply	Place of Sampling	Category			
		1	2	3	4
LENTON	Bitchfield	8			
	Braceby/Sapperton	8			
	Burton Coggles	7			
	Ingoldsby	20			
	Lenton	4			
	Pickworth	19			
	Ropsley	44	2	1	
NORTH WITHAM	Colsterworth	46	1		
	Gunby/Stainby	6			
	North Witham	10	1		
	South Witham	5			
OLD SOMERBY	Old Somerby	40	3		2
SKILLINGTON	Skillington	46	1		
BELTON	Ancaster	16			
	Barkston	28			
	Belton	1			
	Carlton Scroop	1	1		
	Honington	2			
	Londonthorpe	1			
	Welby	1			
LONG BENNINGTON	Allington	7			
	Dry Doddington	2			
	Carlton Scroop		1		
	Foston	9			1
	Hougham	3	1		
	Hough-on-the-Hill	10			
	Long Bennington	10	1	1	1
	Marston	3			
	Normanton	2		1	
	Sedgebrook	5	3		
	Westborough	3			
		367	15	3	4

C O N S U M P T I O N O F W A T E R - A L L S O U R C E S

figures given in 000 gallons

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
COUNCIL SOURCES	LENTON BOREHOLE	1603	1620	2142	1790	1765	2120	1691	2167	1725	1743	2203	1737	22306
	NORTH WITHAM SPRING	1210	1245	1676	1387	1383	1783	1462	1887	1594	1518	1952	1546	18643
	OLD SOMERBY BOREHOLE	87	84	108	94	98	134	100	115	85	88	109	87	1189
	SKILLINGTON SPRING	232	236	293	232	230	291	236	295	238	240	316	240	3079
	BELTON SPRING	1020	960	1660	1050	1062	1630	1477	1582	1224	1297	1607	1496	16065
	LONG BENNINGTON BOREHOLE			2000	5236	4709	3846	4536	3846	3833	3244	5743	5040	42033
	TOTAL WATER PUMPED	4152	4145	7879	9789	9247	9804	9502	9892	8699	8130	11930	10146	103315
BULK PURCHASES	GRANTHAM WATERWORKS	6446	6446	8045	3237	3237	4029	3765	4702	3765	3792	4745	3793	56002
	NEWARK BOROUGH	552	593	639	595	472	596	500	688	490	674	553	691	7043
	NORTH KESTIVEN R.D.C.	596	840	680	Nil	Nil	340	175	Nil	220	491	Nil	Nil	3342
	TOTAL WATER PURCHASED	7594	7879	9364	3832	3709	4965	4440	5390	4475	4957	5298	4484	66387
TOTAL WATER AVAILABLE		11746	12024	17243	13621	12956	14769	13942	15282	13174	13087	17228	14630	169702
BULK SALES	MELTON & BELVOIR R.D.C.	1430	1348	1690	1335	1246	1594	1450	1700	1308	1811	1474	1887	18273
	AIR MINISTRY	1921	2100	2401	1863	1663	1577	2043	2700	2445	4206	1489	1485	25893
	TOTAL WATER SOLD	3351	3448	4091	3198	2909	3171	3493	4400	3753	6017	2963	3372	44166
TOTAL WATER USED DURING 1957		8395	8576	13152	10423	10047	11598	10449	10882	9421	7070	14265	11258	125536

Details of the Number of Dwellinghouses supplied from the Public Water Mains direct to houses are as follows :-

Allington	...	...	...	...	...	...	...	...	106
Ancaster	...	...	...	...	...	...	...	...	256
Barkston	...	...	...	...	...	...	...	...	80
Barrowby	...	...	...	...	...	...	...	...	248
Belton and Manthorpe	...	...	...	...	...	...	...	...	-
Bitchfield and Bassingthorpe	...	...	...	...	...	...	...	...	65
Boothby Pagnell	...	...	...	...	...	...	...	...	-
Braceby and Sapperton	...	...	...	...	...	...	...	...	35
Burton Coggles	...	...	...	...	...	...	...	...	45
Carlton Scroop	...	...	...	...	...	...	...	...	60
Caythorpe	...	...	...	...	...	...	...	...	266
Claypole	...	...	...	...	...	...	...	...	240
Colsterworth	...	...	...	...	...	...	...	...	361
Denton	...	...	...	...	...	...	...	...	140
Easton	...	...	...	...	...	...	...	...	-
Fenton	...	...	...	...	...	...	...	...	20
Foston	...	...	...	...	...	...	...	...	120
Fulbeck	...	...	...	...	...	...	...	...	215
Great Gonerby	...	...	...	...	...	...	...	...	392
Great Ponton	...	...	...	...	...	...	...	...	75
Gunby and Stainby	...	...	...	...	...	...	...	...	62
Harlaxton	...	...	...	...	...	...	...	...	130
Heydour	...	...	...	...	...	...	...	...	67
Honington	...	...	...	...	...	...	...	...	32
Hougham	...	...	...	...	...	...	...	...	70
Hough-on-the-Hill	...	...	...	...	...	...	...	...	139
Ingoldsby	...	...	...	...	...	...	...	...	79
Lenton, Keisby and Osgodby	...	...	...	...	...	...	...	...	57
Little Ponton and Stroxton	...	...	...	...	...	...	...	...	60
Londonthorpe and Harrowby Without	...	...	...	...	...	...	...	...	35
Long Bennington	...	...	...	...	...	...	...	...	333
Marston	...	...	...	...	...	...	...	...	90
Normanton	...	...	...	...	...	...	...	...	33
North Witham	...	...	...	...	...	...	...	...	55
Old Somerby	...	...	...	...	...	...	...	...	70
Pickworth	...	...	...	...	...	...	...	...	36
Ropsley and Humby	...	...	...	...	...	...	...	...	205
Sedgebrook	...	...	...	...	...	...	...	...	60
Skillington	...	...	...	...	...	...	...	...	106
South Witham	...	...	...	...	...	...	...	...	180
Stoke Rochford	...	...	...	...	...	...	...	...	-
Stubton	...	...	...	...	...	...	...	...	42
Syston	...	...	...	...	...	...	...	...	23
Welby	...	...	...	...	...	...	...	...	57
Westborough and Dry Doddington	...	...	...	...	...	...	...	...	93
Woolsthorpe	...	...	...	...	...	...	...	...	192
Wyville cum Hungerton	...	...	...	...	...	...	...	...	30
									5060

It should be noted that of the Four parishes with no connections shown, Easton and Stoke Rochford are fed by private supplies; Manthorpe is within the Grantham Waterworks statutory supply area, and Boothby Pagnell is scheduled for connection in the years 1958/1959.

The proportion of premises supplied is now 82% of the total rateable properties which total approximately 6200.

H O U S I N G

Increases in interest rates had an immediate effect on new housing and consequently the number of completed housing units suffered accordingly. The emphasis is still on the provision of bungalows for the re-housing of aged-persons both from unfit houses and under-occupied houses and fortunately for these worthy rate-payers the Council had a change of heart and decided to proceed with a limited programme.

More than usual interest has been shown by the Housing Committee in the design and equipping of these bungalows and even though it has not been possible to provide a bungalow which might satisfy the desires of every Councillor or tenant for that matter, the present type provides a much more comfortable home than the old cottage with its need for black lead to maintain that wonderful contraption, the "cottage range" with side boiler for hot water, food stored under the stairs with no ventilation, water from a tap in the yard, water in the living-room rising up the walls, sunlight in the rooms by accident and not design, and stairs - or ladders. The Housing Committee are to be congratulated for their progressive spirit and their continued support.

It is often said by the public that the old stone cottage will last much longer than the new houses being built. If they resemble the comments made above, my department are doing their best to prove the public wrong. The number of unfit houses which it was originally considered would have to be cleared has already been exceeded but the progress of clearance is very slow. This is not due to the lack of new housing in particular, but because neither the owner nor the Council are willing to evict a tenant who does not wish to move out of his old abode either because he cannot or won't pay rent for more amenities and comfort. This is understandable in the case of the old and infirm but not in any other case.

The number of applicants for houses from persons living or working in the rural district decreased from 359 to 343 but there was an increase in the number of applications from persons living and working outside the rural area. This total rose from 108 to 149 but the demand occurs mainly in Barrowby (49) and Great Gonerby (48) as these villages are virtually dormitory villages for persons employed in Grantham. The highest demand from those living or working in the rural area is seen to be at Barrowby, Caythorpe, Colsterworth and Great Gonerby. As the Council now own over one-thousand houses, this is considered to be an average waiting list for the area and compares favourably with the pre-war position as there are about 80 houses vacated and re-let each year. It should be borne in mind, however, that the housing register bears no close relationship to the problem of re-housing from unfit houses as by far the majority of these tenants have made no application for alternative accommodation. A television set appears to be a greater necessity than a good house. Perhaps the programmes are so good that one can forget one's surroundings.

Even though the new housing programme was curtailed by the Council due to increase in interest rates this did not have the same affect on the improvement of houses by private owners. £73,492 was spent on 92 houses; 67 of them being tenanted. This made a total of 336 homes completely modernized to the end of 1957. It has been said many times at Conferences and in articles and letters to various Journals that the provision of Improvements Grants has been a failure as this has only been to the benefit of owner/occupiers and it has not helped in the way it was intended, to prevent houses from being demolished which with assistance might otherwise have been saved. "The fault lies not in our stars ...". This Council has and still is doing a good job of work in giving every encouragement to owners to retain their property where it is possible to save it and so retain the character of our villages.

I M P R O V E M E N T G R A N T S.

	YEAR	TENANTED		OWNER/OCCUPIED		TOTAL
Total Dwellings Improved	TOTAL	241	(72%)	95	(28%)	336
	1957	67	(73%)	25	(27%)	92
	1956	71	(82%)	18	(18%)	99
	1955	53	(65%)	28	(35%)	81
	1954	34	(69%)	15	(31%)	49
	1953	5	(63%)	3	(43%)	8
	1952	1	(20%)	4		5
	1951	—	—	1		1
	1950	—	—	1		1
Total Approved Expenditure	TOTAL	£205,922		£61,092		£267,014
	1957	£ 55,420	(76%)	£ 7,072	(24%)	£ 13,492
	1956	£ 76,450	(89%)	£ 9,644	(11%)	£ 86,094
	1955	£ 46,498	(72%)	£17,983	(28%)	£ 64,481
	1954	£ 23,899	(69%)	£10,824	(31%)	£ 34,723
	1953	£ 2,653	(63%)	£ 1,545	(37%)	£ 4,198
	1952	£ 1,002	(33%)	£ 2,130		£ 3,132
	1951	—	—	£ 300		£ 300
	1950	—	—	£ 594		£ 594
Total Grants Approved	TOTAL	£ 78,077		£26,027		£104,104
	1957	£ 22,583	(73%)	£ 7,506	(27%)	£ 30,089
	1956	£ 26,791	(85%)	£ 4,576	(15%)	£ 31,367
	1955	£ 16,633	(68%)	£ 7,872	(32%)	£ 24,505
	1954	£ 10,450	(71%)	£ 4,258	(29%)	£ 14,708
	1953	£ 1,220	(55%)	£ 660	(35%)	£ 1,880
	1952	£ 400		£ 750		£ 1,150
	1951	—	—	£ 150		£ 150
	1950	—	—	£ 255		£ 255
Average Expenditure per house	AVE.	£ 853		£ 643		£ 793
	1957	£ 828		£ 723		£ 799
	1956	£ 945		£ 535		£ 870
	1955	£ 877		£ 642		£ 795
	1954	£ 705		£ 722		£ 708
	1953	£ 532		£ 515		£ 523
	1952	£ 1,002		£ 532		£ 624
	1951	—		£ 300		£ 300
	1950	—		£ 594		£ 594
Average Grant per house	AVE.	£ 324		£ 274		£ 310
	1957	£ 337		£ 301		£ 327
	1956	£ 331		£ 254		£ 316
	1955	£ 314		£ 282		£ 303
	1954	£ 307		£ 284		£ 301
	1953	£ 244		£ 220		£ 236
	1952	£ 400		£ 187		£ 230
	1951	—		£ 150		£ 150
	1950	—		£ 255		£ 255
Grant as a % of Expenditure	AVE.	38%		43%		39%
	1957	41%		42%		41%
	1956	35%		47%		36%
	1955	36%		44%		38%
	1954	44%		39%		43%
	1953	46%		43%		45%
	1952	39%		35%		37%
	1951	—		50%		50%
	1950	—		43%		43%

At the 31st December, 1957, the Council owned 1,013 houses as follows :-

	<u>Parish</u>	<u>No. of Houses</u>
Allington	13
Ancaster	66
Barkston	26
Barrowby	62
Bitchfield and Bassingthorpe	12
Braceby and Sapperton	2
Burton Coggles	8
Carlton Scroop	16
Caythorpe	51
Claypole	53
Colsterworth	99
Denton	8
Foston	8
Fulbeck	30
Great Gonerby	150
Great Ponton	18
Gunby and Stainby	4
Harlaxton	6
Heydour	3
Honington	3
Hougham	4
Hough-on-the-Hill	35
Ingoltsby	16
Lenton, Keisby and Osgodby	10
Little Ponton and Stroxton	1
Long Bennington	60
Marston	12
Normanton	4
North Witham	14
Old Somerby	26
Pickworth	4
Ropsley and Humby	30
Sedgebrook	4
Skillington	8
South Witham	59
Stubton	8
Welby	4
Westborough and Dry Doddington	24
Woolsthorpe-by-Belvoir	50

T O T A L

1,013

NUMBER OF APPLICATIONS ON THE HOUSING REGISTER

Parish	Living or Working in Rural District	Living and Working out- side Rural District	TOTAL
Allington	11	3	14
Ancaster	9	4	13
Barkston	13	4	17
Barrowby	23	49	72
Belton and Manthorpe	-	-	-
Bitchfield and Bassingthorpe	4	1	5
Boothby Pagnell	1	-	1
Braceby and Sapperton	-	-	-
Burton Coggles	2	3	5
Carlton Scroop	3	-	3
Caythorpe	31	4	35
Claypole	8	3	11
Colsterworth	55	4	59
Denton	4	2	6
Fenton	-	-	-
Foston	6	1	7
Fulbeck	1	-	1
Great Gonerby	37	48	85
Great Ponton	13	2	15
Gunby and Stainby	13	-	13
Harlaxton	2	-	2
Heydour	5	-	5
Honington	4	-	4
Hougham	3	-	3
Hough-on-the-Hill	8	-	8
Ingoldsby	4	1	5
Lenton, Keisby and Osgodby	3	2	5
Little Ponton and Stroxton	-	1	1
Long Bennington	16	4	20
Marston	1	-	1
Normanton	-	-	-
North Witham	10	-	10
Old Someby	10	1	11
Pickworth	1	-	1
Ropsley and Humby	10	3	13
Sedgebrook	1	-	1
Skillington	2	-	2
South Witham	9	2	11
Stubton	4	-	4
Welby	1	1	2
Westborough and Dry Doddington	7	-	7
Woolsthorpe-by-Belvoir	8	6	14
	343	149	492

S E W E R A G E A N D S E W A G E D I S P O S A L.

It is difficult in 1958, with talk of rockets to the moon, to be able to fully appreciate the advance in science when 17" television sets and 6 foot vault closets exist virtually side by side. If only it was possible to buy a water closet by hire purchase and borrow money at a reasonable rate of interest to carry out much needed sewerage and sewage disposal schemes. Bringing water into a village increases the difficulty of getting it out. The old combined sewers, haphazardly provided, of various shapes and sizes, are straining under the additional load and causing continual headaches by way of maintenance.

The Council are doing their best, under difficult financial conditions, and post-war schemes have been completed for Skillington, Great Gonerby, Colsterworth and now Ropsley villages. Great Ponton and the remainder of Allington is to proceed and it is hoped that the larger villages with more density of housing will follow. Some of the smaller villages also require complete schemes to permit further housing development.

A sewage disposal plant was provided at South Witham, in the first instance to permit housing development to be carried out by the East Midlands Housing Association to house ironstone workers employed by Messrs. Stewarts and Lloyds but with co-operation on both sides this was so designed, sited and constructed to allow for future extension to cater for the much needed sewerage of South Witham village.

Worthy of note is the splendid example of the Stoke Rochford Estate who provided a sewage disposal plant for the village of Stoke Rochford in order to modernize the houses in the village. The provision of numerous cesspools or septic tanks would have been most unsatisfactory, if permissible at all, due to the close proximity of the Grantham Water Company's main source of supply. This has now been handed over to the Council.

Harlaxton is a village which is rapidly increasing in size due to private housing development and very early consideration must be given to proceeding with the prepared and approved scheme. This is certainly warranted because one is often told that a sewerage scheme cannot be afforded because it is not revenue producing. The increased rateable value at Harlaxton is surely a satisfactory answer to the critic.

The cesspool emptying service is now more popularly used and apart from septic tanks to Council Housing estates, three hundred septic tanks to private houses were emptied during the year.

Grants were made in respect of the conversion of forty-eight E.C.s to W.C.s in the following parishes :-

Caythorpe	1
Colsterworth	2
Claypole	5
Easton	1
Gt. Gonerby	29
Heydour	1
Hough	7
Stoke	
Rochford	1
Welby	1

M E A T A N D F O O D S

Carcases Inspected and Condemedned during 1957
from Six Privately-owned Slaughter-houses

	Cattle	Cows	Calves	Sheep and Lambs	Pigs
Number Killed and Inspected	608	28	8	1637	637

ALL DISEASES EXCEPT TUBERCULOSIS

Whole carcasses condemned	Nil	Nil	2	6	1
Carcase of which some part or Organ was condemned	61	Nil	Nil	9	18
Percentage of those inspected affected by disease other than TB	10%	Nil	37%	0.9%	3.0%

TUBERCULOSIS ONLY

Whole carcasses condemned	Nil	Nil	Nil	Nil	Nil
Carcase of which some part or Organ was condemned	23	6	Nil	Nil	24
Percentage of those inspected affected by Tuberculosis	3.8%	21.4%	Nil	Nil	3.8%

CYSTICERCOSIS

Carcase of which some part or Organ was affected	7	Nil	-	-	-
Carcases submitted to treatment by Refrigeration	7	Nil	-	-	-
Generalised and totally Condemedned	Nil	Nil	-	-	-

The entire carcasses and organs of the following animals were condemned for the reasons stated

1 Pig	Oedema
1 Sheep	Oedema
2 Calves	Emaciation
1 Sheep	Immaturity
1 Sheep	Septicaemia
1 Sheep	Moribund
1 Sheep	Pneumonia - Moribund
1 Sheep	Fevered - Casualty

The total weight of meat and offals condemned as unfit for human consumption was 1 ton 10 cwt. 92 lbs.

M E A T - A N D F O O D S.

It is pleasing to be able to report that a 100% inspection of all animals slaughtered for human consumption is carried out as in some rural areas this unfortunately is not the case. Whilst most of the butchers do co-operate very fully by holding over carcasses and all offals for examination before sale where the animals have been slaughtered after normal office hours the night before, cases have arisen during the year where the butcher has complained that the inspector has not inspected the meat when requested.

If regular slaughtering-hours and days are not insisted upon by the Council this causes great inconvenience to the inspector, unnecessary waste of time and increased travelling costs. Certain butchers are in the habit of telephoning the office and giving only one hour's notice or even notify after slaughter the night before. This practice must be stopped and regular slaughtering times, during normal working hours, adhered to except in the case of casualty slaughter. It should be quite unnecessary for an inspector to visit a slaughterhouse twice in one day, on Saturday afternoons, Sundays and in the evenings.

P R E V E N T I O N O F D A M A G E B Y P E S T S.

Summary of Properties Inspected or Treated during the year 1957

	LOCAL AUTHORITY PREMISES			ALL OTHER PROPERTIES		
	Sewer Dykes	Refuse Tips	Misc. Other	Private Premises	Business Premises	Agricul- tural
Allington	8	4	3	2	2	4
Ancaster	36	15	9	23	8	3
Barkston	24		3	20	6	6
Barrowby	16		4	18	12	12
Belton/Manthorpe	4			1	3	1
Bitchfield/Bass.	10		2			3
Boothby Pagnell	4					
Braceby/Sapperton	4		1		1	5
Burton Coggles	19	16	3	16		7
Carlton Scroop	7	1	2	6	6	1
Caythorpe	44	12	12	24	3	14
Claypole	23	2	7	16	4	13
Colsterworth	28		11	22	6	
Denton	12			13	6	1
Easton	13			6	2	3
Fenton	10			6		7
Foston	12			7	8	8
Fulbeck	24		7	30	3	4
Great Gonerby	15		8	34	4	11
Great Ponton	12	8	1	31	8	12
Gunby/Stainby	8	1		3		4
Harlaxton	15		4	20	6	14
Heydour	18			3	4	6
Honington	3					2
Hougham	5			5		5
Hough-on-the-Hill	31	1	3	23	1	20
Ingoldsby	21			7	3	2
Lenton/Keisby/Osgodby	18		1	8	9	13
L. Ponton/Stroxton	21	1	5	20	1	15
Londonthorpe/Harrowby	4			1	1	5
Long Bennington	24	6		35	6	29
Marston	2					1
Normanton	4		1	1	1	5
North Witham	8		5	12		10
Old Somerby	1	10	2	1		
Pickworth	2			1		1
Ropsley/Humby	30	11	2	33	8	25
Sedgebrook	9	3		2	2	6
Skillington	17	3	1	13	2	6
South Witham	10	8	2	35	4	13
Stoke Rochford	6			10	7	5
Stubton	8			4	4	6
Syston	2			4	1	2
Welby	16	9		10	2	16
Westborough/Dry Dodd.	10			4		8
Woolsthorpe	12	6	6	10	5	3
Wyville	11	3	2	7		5

641	120	107	547	148	342
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RESULTS OF BIOLOGICAL EXAMINATION OF MILKS

	Number of Samples	RESULT		
		Positive	Negative	Not Determined
Wyville	8	3	5	-
	8	3	5	-

The necessity for taking samples ceased when the producer commenced sending all milk for pasteurisation during 1957.

The following premises are registered for the sale and storage of Ice Cream :-

Parish	Sale and Storage
Ancaster	4
Allington	1
Barkston	1
Barrowby	1
Belton	1
Burton Coggles	1
Caythorpe	3
Claypole	2
Colsterworth	2
Denton	1
Foston	3
Fulbeck	4
Great Gonerby	3
Ingoldsby	1
Harlaxton	2
Heydour	1
Hough-on-the-Hill	1
Londonthorpe and Harrowby Without	3
Long Bennington	4
Marston	1
Old Somerby	1
Ropsley	2
Skillington	2
South Witham	2
Stoke Rochford	1
Woolsthorpe-by-Belvoir	2

In every case where the registration is one of sale and storage only, the Ice Cream is pre-packed and purchased from a large manufacturer outside the area. There are now no manufacturers in the area.

Reports upon ice cream samples submitted to the Ministry of Health Laboratory were all found to be satisfactory.

R E F U S E C O L L E C T I O N A N D D I S P O S A L .

Although the Council now possess two refuse collection vehicles, only one is in operation as a result of reduction in expenditure proposed by the Finance Committee, before the commencement of the financial year, and confirmed by the Council. This seems a rather ridiculous position as there was obviously no point in purchasing our additional vehicle if it was not to be used. The use of one vehicle and three men to collect refuse every three weeks from 59 villages plus a weekly collection from Alma Park Housing Estate is becoming almost an impossibility and the second vehicle with an additional team will have to be brought into operation otherwise the present method of collection will break down.

It is not possible to work overtime on collections in the winter months; when the bins are full to overflowing with ashes, due to the shorter daylight hours. In fact, it is questionable whether it is physically possible for the men to work longer hours as the continual lifting of bins full of ashes in all weathers is no job for a weakling. The men are doing a good job under difficult conditions.

The collection and disposal of waste paper was again limited during the year by the Thames Board Mills as a result of the difficulty of not being able to cope with total quantities collected by Local Authorities.

1 9 5 7

Waste Paper	85 tons 13 cwts	£781 2 1
Metal and Rags	6 tons approx.	£109 5 0
Total value realized		£890 7 1

1 9 5 6

Waste Paper	87 tons 13 cwts	£808 6 8
Metal and Rags	7 tons approx.	£120 7 6
Total value realized		£928 14 2

1 9 5 5

Waste Paper	29 tons 10 cwts	£290 11 6
Metal and Rags	2 tons 5 cwts	£ 56 7 6
		£346 19 0

BUILDING INSPECTIONS

The following plans were deposited for approval during the year 1957.

	New Works	Alteration
Dwellinghouses	35	101
Farm Buildings	4	0
Factories	1	3
Other Buildings	34	12
	74	116
Other plans submitted, not for buildings		87

FACTORIES ACT 1937

INSPECTIONS

	Number on Register	Number of		
		Inspections	Written Notices	Occup'rs Pros'ctd
(1) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities.	19	-	-	-
(2) Factories not included in (1) in which Section 7 is enforced by Lcl Authority	50	-	-	-
(3) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers premises)	-	-	-	-
	69	-	-	-

CASES IN WHICH DEFECTS WERE FOUND

Particulars	Number of cases in which defects found				Cases in which Prsctns were Institd.
	Found	Rem- ed- ied	Refrd. to H.M.I.	Refrd. by H.M.I.	
Want of Cleanliness	-	-	-	-	-
Overcrowding	-	-	-	-	-
Unreasonable Temperature	-	-	-	-	-
Inadequate Ventilation	-	-	-	-	-
Ineffective drainage of floors	-	-	-	-	-
Sanitary Conveniences	-	-	-	-	-
(a) Insufficient	-	-	-	-	-
(b) Unsuitable or Defective	-	-	-	-	-
(c) Not separate for sexes	-	-	-	-	-
Other offences against the Act	-	-	-	-	-
	-	-	-	-	-

PETROLEUM AND CARBIDE OF CALCIUM LICENCES

Number in Force (Petroleum) 103

Number in Force (Carbide) 4

New Licences (Petroleum) 3

New Licences (Carbide) Nil

12